



Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

JUN 24 2011

Ms. Susan Hedman, Regional Administrator
U.S. Environmental Protection Agency
Region 5
77 West Jackson Blvd., Mail Code: R-19J
Chicago, IL 60604-3507

PPPO-03-1220104-11

Ms. Gina McCarthy, Assistance Administrator
U.S. Environmental Protection Agency
Office of Air and Radiation
Ariel Rios Building, Mail Code: 6101A
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

RECEIVED

JUN 28 2011

U.S. EPA REGION 5
OFFICE OF REGIONAL ADMINISTRATION

Dear Ms. Hedman and Ms. McCarthy:

NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS, RADIONUCLIDE EMISSIONS REPORT FOR CALENDAR YEAR 2010

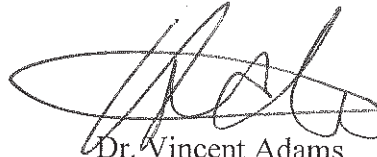
Enclosed is a certified copy of the annual Radiological National Emission Standards for Hazardous Air Pollutants (NESHAP) report submitted in accordance with 40 CFR 61.94 (Subpart H) for airborne emissions from the U.S. Department of Energy (DOE) Portsmouth Gaseous Diffusion Plant (PORTS) during calendar year (CY) 2010.

DOE owns the PORTS site which has radionuclide air emissions from DOE operations as well as United States Enrichment Corporation (USEC) operations. For the majority of 2010, USEC leased and maintained the enrichment facilities at PORTS (both the former gaseous diffusion process, which was in "cold shutdown" status and the centrifuge enrichment facility). Please note, the uranium enrichment facilities associated with the gaseous diffusion plant are in the process of being transitioned back to DOE from USEC in 2011.

The enclosed certified report addresses the emissions from the DOE operations only; however, it also includes the total dose value associated with both DOE and USEC operations conducted at PORTS. The total dose value was derived by adding the DOE calculated dose with the dose value supplied to DOE by USEC. USEC will be submitting a separate NESHAP report addressing the radionuclide emissions from USEC operations. The combined dose to the most exposed individual resulting from both DOE and USEC operations was conservatively calculated at 0.17 millirem (mrem) for CY 2010, which is below the regulatory standard of 10 mrem per year.

If you have any questions, please contact Kristi Wiehle of my staff at (740) 897-5020.

Sincerely,

A handwritten signature in black ink, appearing to read 'V. Adams', written over a horizontal line.

Dr. Vincent Adams
Portsmouth Site Director
Portsmouth/Paducah Project Office

Enclosure:

Radiological National Emission Standards for Hazardous Air Pollutants Report

cc w/enclosure:

Murphy.Michael@epamail.epa.gov, US EPA/Region 5

Scott.Nally@epa.state.oh.us, Ohio EPA/Columbus

Mike.Hopkins@epa.state.oh.us, Asst. Chief Permitting, DAPC, Ohio EPA/Columbus

Bruce.Weinberg@epa.state.oh.us, DAPC Supervisor, Ohio EPA/Logan

Andrew.Wallo@hq.doe.gov, HS-20/FORS

Jamie.Jameson@fbports.com, FBP/PORTS

Kristi.Wiehle@lex.doe.gov, DOE/PORTS

Amy.Lawson@lex.doe.gov, HEI/PORTS

Administrative Records